

UNIT 6 RIGHT TRIANGLES REVIEW

Answers ~

1. $\sqrt{65} \approx 8.06$
2. $\sqrt{72} = 6\sqrt{2} \approx 8.49$
3. 24 ft.
4. 20 ft.
5. 39
6. $P \approx 33.94$
7. not a triangle
8. obtuse
9. right
10. acute
11. $\sqrt{48} = 4\sqrt{3} \approx 6.93$
12. $\sqrt{8} = 2\sqrt{2} \approx 2.83$
13. $\sqrt{20} = 2\sqrt{5} \approx 4.47$
14. $x = \sqrt{54} = 3\sqrt{6} \approx 7.35$
 $y = \sqrt{18} = 3\sqrt{2} \approx 4.24$
15. $\sin G = \frac{3}{5}, \cos G = \frac{4}{5}, \tan G = \frac{3}{4}$
 $\sin F = \frac{4}{5}, \cos F = \frac{3}{5}, \tan F = \frac{4}{3}$
16. 19.17
17. 7.52
18. 12.44
19. 19.83
20. 25.56
21. 11.02
22. 36.03°
23. 45.57°
24. 30°
25. 4.33
26. 8.94
27. 60 units
28. 36.4 ft.
29. 85.93°
30. 41.41°
31. 53.13°

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